

JC09 Rec'd PCT/PTO 24 OCT 2009

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Toshihito MIYAMA et al.  
Serial No : Not Yet Assigned (National Stage of PCT/JP2004/005885)  
I.A. Filed : April 23, 2004  
For : PROTON CONDUCTING MEMBRANE, METHOD FOR  
PRODUCING THE SAME AND FUEL CELL USING THE SAME

**INFORMATION STATEMENT DISCLOSURE**

Commissioner of Patents  
U.S. Patent and Trademark Office  
Customer Service Window, Mail Stop Amendment  
Randolph Building  
401 Dulany Street  
Alexandria, VA 22314

Sir:

Pursuant to 37 C.F.R. § 1.56 and 37 C.F.R. §§ 1.97-1.98, Applicants hereby direct the Examiner's attention to the following documents cited in the International Search Report for International Application PCT/JP2004/005885 of which the above-referenced application claims priority:

- (1) JP 2001-35509, February 9, 2001, accompanied by an English language abstract thereof (provided by esp@cenet);
  - (2) JP 2002-309016, October 23, 2002, accompanied by an English language abstract thereof (provided by esp@cenet);
  - (3) JP 10-503788, April 7, 1998;
  - (4) U.S. Patent No. 5,468,574 (EHRENBERG et al.), November 21, 1995;
- Applicants note that this document is a family member of document (3);

- (5) U.S. Patent No. 5,679,482 (EHRENBERG et al.), October 21, 1997; Applicants note that this document is a family member of documents (3) and (4);
- (6) WO 02/47801 A1, June 20, 2002;
- (7) U.S. Patent Application Publication No. 2004/0028913 A1 (HENNIGE et al.), February 12, 2004; Applicants note that this document is a family member of document (6).

Furthermore, Applicants direct the Examiner's attention to the following documents cited and discussed in the above-referenced application:

- (8) U.S. Patent No. 4,330,654 (EZZELL et al.), May 18, 1982; Applicants note that this document is cited and discussed at page 2, line 16 of the present application;
- (9) JP 4-366137 A, December 18, 1992; Applicants note that this document is cited and discussed at page 2, line 17 of the present application;
- (10) U.S. Patent No. 5,654,109 (PLOWMAN et al.), August 5, 1997; Applicants note that this document is a family member of document (9);
- (11) JP 6-342665 A, December 13, 1994; Applicants note that this document is cited and discussed at page 2, line 18 of the present application;

- (12) U.S. Patent No. 5,449,697 (NOAKI et al.), September 12, 1995; Applicants note that this document is a family member of document (11);
- (13) JP 9-110982, April 28, 1997, accompanied by an English language abstract thereof (provided by esp@cenet); Applicants note that this document is cited and discussed at page 6, line 19 of the present application;
- (14) JP 10-21943, January 23, 1998, accompanied by an English language abstract thereof (provided by esp@cenet); Applicants note that this document is cited and discussed at page 6, line 19 of the present application;
- (15) JP 10-45913, February 17, 1998, accompanied by an English language abstract thereof (provided by esp@cenet); Applicants note that this document is cited and discussed at page 6, line 19 of the present application;
- (16) JP 9-87510, March 31, 1997, accompanied by an English language abstract thereof (provided by esp@cenet); Applicants note that this document is cited and discussed at page 6, line 20 of the present application;
- (17) Tatsumisago M., et al. "Proton-conduction silica-gel films doped with a variety of electrolytes" Solid State Ionics, vol. 74 (1994), 105-108; Applicants note that this document is cited and discussed at page 7, line 23 of the present application;

- (18) JP 8-249923 A, September 27, 1996; Applicants note that this document is cited and discussed at page 8, line 3 of the present application;
- (19) U.S. Patent No. 5,682,261 (TAKADA et al.), October 28, 1997; Applicants note that this document is a family member of document (18);
- (20) JP 10-69817 A, March 10, 1998; accompanied by an English language abstract thereof (provided by esp@cenet); Applicants note that this document is cited and discussed at page 8, line 5 of the present application;
- (21) JP 10-92444 A, April 10, 1998; Applicants note that this document is cited and discussed at page 8, line 13 of the present application;
- (22) U.S. Patent No. 6,242,135 B1 (MUSHIAKE), June 5, 2001; Applicants note that this document is cited and discussed at page 8, line 13 of the present application; Applicants further note that this document is a family member of document (21);
- (23) JP 2002-358979, December 13, 2002; accompanied by an English language abstract thereof (provided by esp@cenet); Applicants note that this document is cited and discussed at page 8, line 26 of the present application;
- (24) JP 2002-83612, March 22, 2002, accompanied by an English language abstract thereof (provided by esp@cenet); Applicants note that this document is cited and discussed at page 9, line 14 of the present application.

Applicants further direct the Examiner's attention to the following co-pending and co-assigned U.S. patent applications:

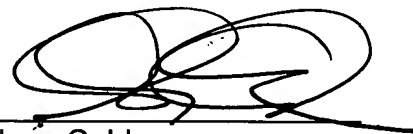
- (25) Serial No. 10/540,564, filed June 24, 2005 and entitled "PROTON CONDUCTING MEMBRANE, METHOD FOR PRODUCING THE SAME AND FUEL CELL USING THE SAME".

Copies of the above-listed documents (with the exception of U.S. patents and U.S. patent applications) and the International Search Report (in English) for International Application PCT/JP2004/005885 are enclosed together with a completed copy of the PTO-1449 Form listing these documents. Accordingly, the Examiner is requested to consider these documents and to indicate such consideration by returning a signed and initialed copy of the PTO-1449 Form with the next official communication.

Further to the U.S. Patent and Trademark Office's decision to partially waive the requirements under 37 C.F.R. § 1.98 (a)(2)(i) and (iii), copies of the U.S. patents and U.S. patent applications cited above are not enclosed herewith. However, if any copies are needed, the Examiner is respectfully requested to contact the undersigned.

If there should be any questions, the Examiner is invited to contact the undersigned at the telephone number listed below.

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Respectfully submitted,  
Toshihito MIYAMA et al.



Andrew Calderon  
Reg. No. 38,093

October 24, 2005  
GREENBLUM & BERNSTEIN, P.L.C.  
1950 Roland Clarke Place  
Reston, VA 20191  
703 716 1191

FORM PTO-1449

U.S. Department of Commerce  
Patent and Trademark OfficeAtty. Docket No.  
P28518Application No.  
Not Yet AssignedINFORMATION DISCLOSURE STATEMENT  
BY APPLICANT  
(Use several sheets if necessary)App No. 10/554,222  
Toshinori MIYAMA et al.Filing Date  
Concurrently HerewithGroup  
Not Yet Assigned

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5 4 6 8 5 7 4	11/21/95	EHRENBERG et al.			
		5 6 7 9 4 8 2	10/21/97	EHRENBERG et al.			
	2004 /	0 0 2 8 9 1 3	02/12/04	HENNIGE et al.			
		4 3 3 0 6 5 4	05/18/82	EZZELL et al.			
		5 6 5 4 1 0 9	10/05/97	PLOWMAN et al.			
		5 4 4 9 6 9 7	09/12/95	NOAKI et al.			
		5 6 8 2 2 6 1	10/28/97	TAKADA et al.			
		6 2 4 2 1 3 5	06/05/01	MUSHIAKE			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	2001	- 0 3 5 5 0 9	02/09/01	JAPAN			
	2002	- 3 0 9 0 1 6	10/23/02	JAPAN			
	10	- 5 0 3 7 8 8	04/07/98	JAPAN			
	0 2 /	4 7 8 0 1	06/20/02	W.I.P.O.			
	4	- 3 6 6 1 3 7	12/18/92	JAPAN			
	6	- 3 4 2 6 6 5	12/13/94	JAPAN			
	9	- 1 1 0 9 8 2	04/28/97	JAPAN			
	1	0 - 2 1 9 4 3	01/23/98	JAPAN			
	1	0 - 4 5 9 1 3	02/17/98	JAPAN			
		9 - 8 7 5 1 0	03/31/97	JAPAN			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	1	English Language Abstract of JP 2001-035509.
	2	English Language Abstract of JP 2002-309016.
	3	U.S. Patent Application No. 10/540,564, filed June 24, 2005, entitled PROTON CONDUCTING MEMBRANE, METHOD FOR PRODUCING THE SAME AND FUEL CELL USING THE SAME.
	4	English Language Abstract of JP 9-110982.
	5	English Language Abstract of JP 10-21943.
	6	English Language Abstract of JP 10-45913.
	7	English Language Abstract of JP 9-87510.

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449  U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. P28518	Application No. <b>10/554222</b> Notice Assigned
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	609 Rec'd PCT/PTO 24 OCT 2005 Applicant Toshihito MIYAMA et al.	
	Filing Date Concurrently Herewith	Group Not Yet Assigned

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES      NO
	8	- 2 4 9 9 2 3	09/27/96	JAPAN			
	1	0 - 6 9 8 1 7	03/10/98	JAPAN			
	1	0 - 9 2 4 4 4	04/10/98	JAPAN			
	2002	- 3 5 8 9 7 9	12/13/02	JAPAN			
	2002	- 0 8 3 6 1 2	03/22/02	JAPAN			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	8	Tatsumisago M., et al. "Proton-conduction silica-gel films doped with a variety of electrolytes"
		Solid State Ionics, vol. 74 (1994), 105-108.
	9	English Language Abstract of JP 10-69817.
	10	English Language Abstract of JP 2002-358979.
	11	English Language Abstract of JP 2002-083612.

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